### PATENT COOPERATION TREATY

REC'D	1 0 NOV 2	004
WIPO		PCT

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference							
100770-1 WO FOR FURTHER ACTION See Form PCT/IPEA/416		PCT/IPEA/416					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)					
PCT/SE2003/001216	15.07.2003	17.07.2002					
International Patent Classification (IPC) of	r national classification and IPC	12770772002					
C07D 209/30, A61K 31/	C07D 209/30, A61K 31/405, A61P 11/00						
Į.							
Applicant							
AstraZeneca AB et al							
instituteneca AB et al							
This report is the international prel Authority under Article 35 and tra	liminary examination report, established by the susmitted to the applicant according to Article	is International Preliminary Examining 36.					
2. This REPORT consists of a total of	of 4 sheets, including this cover						
3. This report is also accompanied by	· · · · · · · · · · · · · · · · · · ·						
	and to the International Bureau) a total of	sheets, as follows:					
and/or sheets of the di and/or sheets of Administrative	Ontaining rectifications authorized by this Au	been amended and are the basis of this report thority (see Rule 70.16 and Section 607 of the					
sheets which s	upersede earlier sheets, but which this Author	ity considers contain an amendment that goes					
beyond the disc Supplemental ]	ciosure in the international application as filed	l, as indicated in item 4 of Box No. I and the					
o (sent to the Internation	ad Bureau only) a total of (indicate type and n						
readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).							
4. This report contains indications rela	<del></del>	· · · · · · · · · · · · · · · · · · ·					
Box No. I Basis of t							
Box No. II Priority							
Box No. III Non-estab	blishment of opinion with regard to novelty, in	wentive step and industrial applicability					
	nity of invention	· · · · · · · · · · · · · · · · · · ·					
Box No. V Reasoned	statement under Article 35(2) with regard to	novelty, inventive step or industrial					
Box No. VI Certain do	lity; citations and explanations supporting such ocuments cited	h statement					
	efects in the international application						
	oservations on the international application	1					
Date of submission of the demand	Date of completion o	f this report					
30.01.2004	02.11.2004						
Name and mailing address of the IPEA/SE	Authorized officer						
Patent- och registreringsverket Box 5055		·					
S-102 42 STOCKHOLM	Solveig Gus	tavsson/BS					
Facsimile No. +46 8 667 72 88	Telephone No. +46	8 782 25 00					

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001216

B	ox No. l	B	asis of the report
1.	With	regard ( wise ind	to the language, this report is based on the international application in the language in which it was filed, unless icated under this item.
		This re which	eport is based on a translation from the original language into the following language, is the language of a translation furnished for the purposes of:
		· 🔲	international search (under Rules 12.3 and 23.1(b))
			publication of the international application (under Rule 12.4)
			international preliminary examination (under Rules 55.2 and/or 55.3)
2.	J		to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" sunexed to this report):
	$\boxtimes$	the int	ernational application as originally filed/furnished
		the des	scription:
•		pages	as originally filed/furnished
		pages*	received by this Authority on
		pages*	received by this Authority on
		the clai	
		pages	as originally filed/furnished
		pages*	as amended (together with any statement) under Article 19
		pages*	received by this Authority on
		pages*	received by this Authority on
	Ш	the drav	wings:
		pages	as originally filed/furnished
		pages*	received by this Authority on
		pages*	received by this Authority on
		a seque	nce listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.		The am	endments have resulted in the cancellation of:
			the description, pages
			the claims, Nos.
			the drawings sheets/figs
			the sequence listing (specify):
		$\Box$	any table(s) related to the sequence listing (specify):
I.		This rep made, si 70.2(c)).	ort has been established as if (some of) the amendments annexed to this report and listed below had not been not they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule
			the description, pages
	•		the claims, Nos.
		$\overline{\Box}$	
		一	the drawings, sheets/figs
		H	the sequence listing (specify):
		لـــا	any table(s) related to the sequence listing (specify):
IJ	f item 4	applies,	some or all of those sheets may be marked "superseded."
T	· ·	34 // 00 /	D. M. D.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001216

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:
the entire international application
claims Nos. 9-10
because:
the said international application, or the said claims Nos. 9-10 relate to the following subject matter which does not require an international preliminary examination (specify):
See PCT Rule 67.1.(iv).: Methods for treatment of the human or animal body by surgery or therapy, as well as diagnostic methods.
the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):
•
·
the claims, or said claims Nos are so inadequately supported
by the description that no meaningful opinion could be formed.
no international search report has been established for said claims Nos.
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
the written form has not been furnished
does not comply with the standard
the computer readable form has not been furnished
does not comply with the standard
the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in the Annex C-bis of the Administrative Instructions.
See Supplemental Box for further details.
POT/IDE A (400 (Per No VIII) (T

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/SE2003/001216

Bo	x No. V	Reasoned statement citations and explana	ınder Article tions supporti	35(2) with regard to novelty, inventive step or industrial applicabiling such statement	lity;
1.	Statement	•			<del></del>
	Novel	ty (N)	Claims Claims	1-8, 11-14	YES NO
	Invent	tive step (IS)	Claims Claims	1-8. 11-14	YES NO
	Indust	rial applicability (IA)	Claims Claims	1-8, 11-14	YES NO

2. Citations and explanations (Rule 70.7)

Cited document: D1) EP 1170594 A2

The present invention relates to novel 3-sulfonyl-indol-1-acetic acid derivatives for treatment of diseases mediated by PGD2 such as asthma or rhinitis.

Document D1 disclose structurally very closely related compounds (see compound 10c, page 34 and example 9) with the same activity as the claimed compounds.

The difference between the claimed compounds and the compounds in document is that compound 10c of D1 is that there is a sulfonyl-group in position 3 and that the aromatic group R3 is not condensed.

The problem to be solved by the present invention in the light of document A is the provision of alternative derivates of 3-substituted indol-1-acetic acids for treatment of diseases mediated by PGD2.

The applicant has not shown that the structural differences render the claimed compounds' unexpected effects in comparison with the known compounds'.

It is considered obvious to a person skilled in the art to modify structurally similar compounds to obtain the claimed compounds and come to the conclusion that they will have the same activity.

Thus, claims 1-8 and 11-14 are considered to fulfil the Requirement of novelty, but not that of inventive step.